To The Ladies Of Honolulu!

Your special attention is called to our line of FANCY ORIENTAL GOODS which has just been unpacked, and is on display in our store.

Christmas Presents

Never before has such a line of China goods been shown here. Among the assortment which was specially ordered for the Holiday Season are he most exclusive silk patterns (no two alike) in hand-embroidered and drawnwork cushion covers, bureau scarfs, doylies, centerpieces, piano covers, table cloths and bedspreads. We also have them in grass finen and tea cloth. These goods must be seen to be appreciated.

Our line of SILK SHAWLS, CAPES, SCARFS and HANDBAGS in heavy silk, hand embroidered, will appeal to the most refined taste.

IVORY FANS, SILK EMBROIDER. ED, all different designs.

SANDALWOOD FANS, SILK EM-BROIDERED. SOLID SANDALWOOD FANS with open work effect, richly perfumed.

SANDALWOOD GLOVE, COLLAR, HANDKERCHIEF and JEWEL BOXES.

OUR LINE OF

Mainland Holiday Goods

is also complete in every respect, thereby enabling you to get Holiday suggestions from the Occident and the Orient.

We will be pleased to show you our goods whether you purchase or not

All sizes and beautiful hand-carved designs, in oval, round and square. No two designs alike.

WHOLE DRESS PATTERNS and SHIRT WAIST PATTERNS in pongee, silk, silk crepe, tea cloth and

Raw material in GRASS LINEN and PONGEE with drawn work insertions and trimmings to match)

CLOTHS and BED SPREADS, in pongee and grass linen with silk embroidery and drawn work.

King Street, between Bethel and Nuuanu

Kwong Sing Loy Co.,

King Street, between Bethel and Nuuanu

WIDE SCOPE OF WORK DONE BY SUGAR PLANTERS' ASSOCIATION IS SHOWN BY THE COMPREHENSIVE REPORTS OF ITS SEVERAL COMMITTEES

DIRECTOR'S REPORT

covery in every department.

increase that has recently taken place in the operations of the station, it is necessary to visit the sub-stascale that has hitherto been of ne- the Governor, many subjects were men:-I herewith present a report cessity imposed on us, but on a com- touched on or examined into which covering the work of the Experiment plete plantation scale, so that the re- could hardly be considered exactly Station of the Hawaiian Sugar Plantments may be not only absolutely re investigated. Amongst these was the ending September 30, 1912. liable, but may also be directly ap- experimental station of the Planters' | The most important entemological plied to general plantation conditions. Association. Inasmuch as this insti- work of the year has been in connec-Ewa Plantatica Cempany's factory the Government, but is owned and of colonies of this parasite and in and experiments in connection with vantage and use, it might have been to be and spread on the plantathe Battelle process which were con-supposed that the methods of con- tions. In ail, 39 colonies were sent

1100 Sec. 111 w look forward con- sion which these public intestateway done to our crops upon his mind. licace, I orr will be as commportant as that done ger today; a new pest, When the existence of this pest was Mr. Swezey reports, that owing to the two species resemble one another very progress being made.

establishment in Makiki with its sub- of the station, the results already stantial and fully equipped buildings, achieved have been of such inestimits library and scientific apparatus, able value to the sugar industry here, and its staff of between 20 and 30 and the continuation of the investigascientists, many et whem are of tions and scientific control of our world-wide celebrity, and whose bul- fields and factories is of such enormletins and publications are studied ous advantage to every plantation and valued by the scientific world manager in these islands, that there at large, may well tegl proud of the is hardly room for two opinions reway our association has kept abreast garding the absolute necessity of conof scientific development and distinuing to conduct the experimental station along the progressive lines But to appreciate fully the immens that are now being followed.

During the investigation recently tion at Waiplo on the plantation of conducted here by the Secretary of the Oahu Sugar Company, where the Interior, into the complaints and are being conducted, not on the small charges made by the Delegate against of the Experiment Station: Gentlesults obtained from these experi-germane to the original matter to be 61's Association for the fiscal year In addition to this a visit to the tution is in no way connected with the rearing and distribution would show a complete installation supported entirely by the members of making investigations to determine for carrying out the investigations the association for their own addacted during the past year, and ducting that institution were hardly which it is planned to continue into a subject for a Government investiga- ent. or which it is planned to continue into a subject for a Government investiga- Station breeding cages under the care tion, and that provided those meth-Pesides of the control of the law of the land, any public critif the work per is being done by the of the worl in a being done by the bers of the association and be pre- to al lo. Through the courtesy of the scientists the station, there is sented by them to those responsible Pantation company in question, it will cic, breeding and trying out new permental station were publicly tations. The Waialua fields from cause varieties; making efficiency made during the course of the investigation which colonies, for shipment, were seared car and he specimens and forded to the association of replying were being tarvested or were about so forth, it briefing of colonies of to or defending itself from the critic to be harvested at the time. trelimid the against the distributing of cisms thus levelled against it, your a whatatlens which are committee decided that its wisest

ANOMALA BEETLE

Reports covering practically the en- the Anomala Orientalis, has mare its, first brought to the attention of the scarcity of "borered" cane, the pass- closely. On careful examination, Mr tire field of sugar production, ship- appearance here and is being closely entomologists, it was hoped that the ence of the parasite was determined Muir has discovered certain minute ment and marketing have been filed watched by the entomologists; most damage it might do would prove to with great difficulty and it is not unby the different committees of the Su- promising experiments are being con- be negligible and that no alarm need likely that in a number of instances gar Planters' Association, and many ducted with Hawaiian seeding canes; be felt about it. Owing, however, to the borers have not been sufficiently aid of a pocket lens, and fortunately of them are of great interest to the fungus and other cane diseases are recent developments, Mr. Muir has numerous to give the parasite a fair being carefully studied; in fact the made a special report on the situation start. Report of the committee in charge magnitude of the work being carried which has been published in the Investigations conducted on some of of the experimental station reads in on by the station in its various de Planters' Record for November. Your the plantations where the parasite was partments has reached dimensions committee hopes that every manager first established show that a large per-Those of you who remember the little dreamt of a few years ago. who has not already done so will modest beginnings of the station While this development in every di- read this report carefully, and will when Dr. Walter Maxwell was apprection is necessarily accompanied be on the alert for any manifesta- curate count was made of the grubs frem the Japanese rose beetle, which pointed to the directorship in the by a corresponding increase in the tions of the presence of this pest in year 1895, and can today see the annual cost of carrying on the work his fields. BATTELLE PROCESS The results of the preliminary tests and experiments made last season in the Ewa Plantation Company's faccouraging to justify a continuation of

FISHER INVESTIGATION

he conduct of the affairs of the ex-

PEST WIDESPREAD

reased sufficient to be readily found, are usually to be found in the soil in work have appeared from the to time cane and in complying with these rethat after a certain pressure On some of the plantations examined, cone fields, and the larvae of these in the Planters' Record showing the quests they have found it necessary

sitized. In one instance where an ac- to be accertained. In this they differ making the actual parasitization in the be that this disease has been active field somewhat over 50 per cent.

the same during a portion of the com- agers have observed a satisfactory de- responsible bacteria, thus allowing the ing grinding season. While it is too crease in the amount of cane destroy- grubs to increase to an unusual exearly to venture upon any prophe- ed by the borer, and future crops will tent. sies regarding the eventual outcome without doubt how an increase in | Some search has failed to find this of these experiments, it is safe to beneficial results from the parasite, post in any other district of the Is say that they are being followed with As shown by the field observations of lands. Enough is not known yet con the closest interest, and if successful, the Station entomologists on plupta- cerning it to permit the entomologists will have far-reaching effects on the tions where the Tachinid has become to venture an opinion as to whether it whole sugar industry of these islands, spread throughout, a strong point in is likely to spread and become a ser the fact that it migrates to fields of ing and any circumstances tending to Following is the report of Director young cane as soon as borer-injured indicate its presence elsewhere in the fields examined nearly all of the borer gated. grubs were found to be parasitized. The killing off of these first grabs in the cane should very materially check the increase of the borer at the start and prevent the cane from becoming

equally improved though less visible for and in charge of the institution, work below a sure of the continually. As, however, charges of undue, was facilitated in such degree as to steed, eating off the roots, boring into Apart from such routine work as secrecy and improper procedure in prove of very material advantage to the base of the base of the stalks, and also dein one to at region and in patches of tests in fell the reporting on digation, and as no opportunity was at those which those which from a tew square yards to a few acres in extent; and in sufficient numbers to cause a dving out of the cane. It is likely that the Anomala Leetle additional small shipments of the same parasite. It is to be hoped that the retas been estallished in this locality sults from these new consignments In the majority of these cases the for several years, since a few similar the state of the state of the course would be to request the distribution of the state of the st PATHOLOGICAL WUKK

Share become very address a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Fisher in an the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Each of the patches of the plantation where the cane is at inconnection with patches of care in a ddress a letter to Mr. Each of the plantation where the care is at inconnection with patches of care in a ddress a letter to Mr. Each of the patches of the plantation where the care is at inconnection with patches of care in a ddress a letter to Mr. Each of the plantation where the care is at inconnection with patches of care in a ddress and care in a ddress a letter to Mr. Each of the plantation where the care is at inconnection with patches of care in a ddress and care in a ddress a letter to Mr. Each of the plantation where the care is at inconnection with patches of the plantation where the care is at inconnection with patches of the plantation where the care is at inconnection with patches of the plantation where the care is at inconnection with patches of the plantation where the plantation wh plantations colonies of the parasite those instances that the grain were clory has been conducted along the gists have been asked from time to (c) The degree of fineness of time when, not long ments must inevitably have made have not been present for a long those of the common Japanese rose lines indicated in the report of last time to determine the cause of dismaterial pressed. chough period for them to have in- beetle, as more or less of the latter year, and arricles based on original eases affecting plants other than . As regards the above, it was in

structural characters by which they may be readily distinguished, with the there need be no further confusion as regards the identity of the grubs in

study of this pest, but the feeding centage of the borer grubs are para- habits of the adult beetles remain yet found, 50 per cent were affected; if feed so extensively on the foliage of these had been left undisturbed in the many kinds of plants. A bacterial disfield some that were not already para- ease has been found, by Mr. Muir, to sitized would have become so, thus be killing many of the grubs. It may in keeping the pest in check heretofore In the crop of cane harvested in and that the past terson has not been 1912, several of the plantation man- so favorable for the propagation of the

the efficiency of the parasite lies in cus pest; but it will need close watchcane can be found. In many such Islands should be promptly investi-

ling of the hornfly parasite material sent from Europe by Mr. Koebele. A considerable number of shipments of small lots of this material were receiv The favorable season for sending trese parasites from Europe is now at hand again and the outomologists are beginning to receive, at this writing

will be more satisfactory.

Dr. Lyon has completed his studies tissue from the following the iliau fungus and the results of falfa, alligator pear, banans, c this very important investigation have tion, eucalyptus, geranium, been published in bulletin form. He pepper, sweet potato and taro. has devoted all available time to the bave also made diagnosis by I study of Yellow Stripe disease, Fiji scopic examination of disease disease, and Sereh. Certain symptoms cotton, date palm, orange, or pathological prenomena common to pineapple, rose and vanilla all three of these diseases have been The diseases of banana and cu noted by Dr. Lyon and he is convinced tus appear to be of more than that a complete understanding of the nary economic importance. causes responsible for any one of them | pathologists began the study of will undoubtedly aid considerably in banana disease at the request of determining the etiology of the others. E. V. Wilcox, of the U. S. For this reason he is working on all Station, who feared that three, although a knowledge of Yel- the Panama disease. low Stripe disease is the chief end lated several organisms aimed at. The careful comparisons of eased plants and was diseased and healthy canes which the of trying inoculation

pathologists have been able to make with them when, owing to the ext at the Experiment Station clearly cies of the mosquito campaign show that this disease can, and will, became suddenly deprived of the cause very serious losses if allowed to nana plants as working material. spread on the plantations. It is now was able to say with certainty, well established on Hawaii, Maui and ever, that the specimens sub Oahu, and constant attention will be by Dr. Wilcox were not afflicted required to keep it under control. Panama disease, as the organ Screh has been found in Hawaiian known to be responsible for this fields, but as our climatic conditions ady were not present in their are not congenial to its development, sues. From the nature of the o Dr. Lyon feels that little fear need be isms which were found Dr. ertertained that it will ever become thinks it likely that the disease epidemic, providing that it is not en. the so-called "Moko disease" of couraged too much by the growing of West Indies. susceptible varieties.

Fiji disease has not yet found its way to the Islands and the strictest quarantine against this malady must he constantly and most vigilantly en-

Mr. Larsen has continued his study of the spot-disease of cane leaves, bringing to light many new and important facts concerning the habits and life-histories of the parasites which cause them. He has cultivated a great many fungi and tested out their parasitism by innoculation experiments. Three distinct strains of the eye spot fungus "Corcospora saecharil have been isolated , one of which proves to be far more virulent

Mr. Speare has devoted his time to the study of fungi parasitic on sugar by studying the behavior of cane insects. He has had six under fiber under great pressures, espe observation and has worked out in ly as the literature of the came great detail the life cycle and parasiic habits of three; two of which are pecies new to science. A lack of material has not permitted him to experiment with the others to any ex-

All of the plantations on Kauai. Gilmore and Dr. Young. Some Mani, and Oahn have been inspected cial pieces of apparatus were by Messrs, Larsen and Speare during constructed locally. the year and a detailed report on the As a result of many experim prevalence of cane diseases on each Mr. Deerr found that the quantity has been returned.

All specimens of diseased canes crushed cane depends on: submitted to the experiment station (a) The actual pressure emple and eareful attention at the hands of dependent of the actual pressure to make cultural studies of diseased

The eucalyptus disease is ing in the grove on Tantalus, a great many trees have die during the last four years. Mr. sen has isolated a fungus from fected trees which behaves as all gressive parasite when brough contact with the tissues of a he tree. Since the eucalypti are chief trees with which the Burn Agriculture and Forestry is st to replenish our depleted forests. trouble merits prompt and careff

CHEMISTRY AND SUGA TECHNOLOG

The Behavior of Cane, Pressure.-In planning Mr. Deerr felt that information value in mill work could be obta ting machines, two belonging 10 College of Hawaii were placed al sposal through the kindness

juice expressed from chopped

(b) The number of pressings,

(Continued on Page 11.)